

# **APS, ESRF, SPring-8 Workshop**

## **Discussion Summary**

### **Improving User Access**

- Proposal handling
- Industrial users, cost recovery

### **Facility User Support**

- Sample environment
  - Cryogenic
  - High magnetic field
  - High pressure
- Sample micro/nano-positioning, automation
- Experiment control/automation software
- large-volume data storage, transfer, on-site analysis

### **Beam Stability**

- When using low emittance, x-ray nano-focusing
- Detector/BPM stability
- Absolute position reference

### **ID Demagnetization**

- Radiation dose measurements
  - Accuracy, interpretation

### **X-ray Detectors**

- SPring8/ESRF/APS technology transfer, sharing
- Fast readout, low noise 2D arrays
- Radiation damage

### **Employee Concerns**

- Working hours and compensation (ESRF model underway)
- Balancing scientific programs vs. user support
- Career paths, incentives